

CLAIMS

1 - Tire for heavy off-the-road vehicles comprising a radial carcass reinforcement anchored in each bead to an annular bead reinforcement element, and radially above it a crown reinforcement consisting of at least two working crown plies of inextensible metallic cables crossed from one ply to the next, the said plies having widths at least equal to 50% of the width L of the tread and, radially above these, two protection crown plies of so-termed elastic metallic cables crossed from one ply to the next, the tread comprising in its ungrooved portion of thickness D at least one armature of reinforcement elements, wherein the said armature is composed of at least two layers of textile monofilaments parallel to one another in each layer, the axial widths of the said two layers being at least equal to the width of the narrower working ply.

2- Tire according to Claim 1, wherein the textile monofilaments are crossed from one layer to the next and make angles between 50° and 60° relative to the circumferential direction.

3 - Tire according to Claim 1, wherein the textile material is a polyamide.

4 - Tire according to Claim 1, wherein the volume occupied by the elements of the reinforcement layers, per unit of axial width and per unit of circumferential length of the ungrooved portion of the tread 4, is at most equal to 20% of the total volume, the volume of rubber mixture therefore being at least equal to 80% of the said total volume.